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012756909 **Image available**

WPI Acc No: 1999-563027/199948

XRPX Acc No: N99-416036

Optical sensor for use in motor vehicles for detecting ambient parameters, which influence visibility

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Number of Countries: 021 Number of Patents: 010

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---------------|------|----------|---------------|------|----------|--------|---|
| DE 19839273 | A1 | 19990923 | DE 198039273 | A | 19980828 | 199948 | B |
| WO 9947396 | A1 | 19990923 | WO 99DE665 | A | 19990311 | 199948 | |
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Priority Applications (No Type Date): DE 198011529 A 19980317

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

DE 19839273 A1 10 G01W-001/14

WO 9947396 A1 G B60S-001/08

Designated States (National): JP KR US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE

EP 981470 A1 G B60S-001/08 Based on patent WO 9947396

Designated States (Regional): DE ES FR GB IT

KR 2001012212 A B60S-001/08

JP 2002500769 W 21 G01W-001/14 Based on patent WO 9947396

US 6376824 B1 H01L-031/00 Based on patent WO 9947396

EP 981470 B1 G B60S-001/08 Related to application EP 20044483
Based on patent WO 9947396

Designated States (Regional): DE ES FR GB IT

DE 59909301 G B60S-001/08 Based on patent EP 981470

Based on patent WO 9947396

EP 1424252 A2 G B60S-001/08 Div ex application EP 99914438
Div ex patent EP 981470

Designated States (Regional): DE ES FR GB IT

ES 2220054 T3 B60S-001/08 Based on patent EP 981470

Abstract (Basic): DE 19839273 A1

NOVELTY - The sensor (4) has at least one transmitter (14) and receiver (16,20,22). A windscreen lies in the measurement path between them and influences the light propagation between them. A receiver output signal, which is used to drive the windscreen wipers, changes if the windscreen becomes coated, especially moistened by precipitation. At least one receiver receives light at the ambient intensity and is used to drive a vehicle lighting system.

USE - For motor vehicles for detecting ambient parameters that influence visibility.

ADVANTAGE - A combined sensor enables automatic control of the windscreen wipers and illumination depending on visibility parameters.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic sectional representation of an optical sensor.

optical sensor (4)
transmitter (14)
receivers (16,20,22)
pp; 10 DwgNo 1/10

Title Terms: OPTICAL; SENSE; MOTOR; VEHICLE; DETECT; AMBIENT; PARAMETER;
INFLUENCE; VISIBLE

Derwent Class: Q16; Q17; S03; X22

International Patent Class (Main): B60S-001/08; G01W-001/14; H01L-031/00

International Patent Class (Additional): B60Q-001/00; B60Q-001/14;
B60S-001/02; G01M-011/02; G01N-021/17; G01N-021/45; G01N-021/55;
G01N-021/88

File Segment: EPI; EngPI

Manual Codes (EPI/S-X): S03-D02B1; S03-E04B1B; X22-X06E

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